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Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of the claims:

- 1. (previously presented) A computer implemented method for managing a collaborative process that involves at least a first player in a first enterprise having a first collaborative process manager and a second player in a second enterprises having a second collaborative process manager comprising the steps of:
- a) defining an inter-enterprise collaborative business process including templates and a plurality of work nodes; wherein each work node has a task role identifier for specifying one of the first player and the second player as responsible for execution of the work node, and the templates include definitions and a sharing scope that is one of public and process role specific;
- b) the first collaborative process manager executing a first peer instance of the collaborative business process;
- c) the second collaborative process manager executing a second peer instance of the collaborative business process; and
- d) specifying the sharing scope of at least one template to keep data private between the first and second collaborative process managers;

wherein the first peer instance of the collaborative business process and the second peer instance of the collaborative business process form a logical execution instance; and

wherein the first peer instance of the collaborative business process and the second peer instance of the collaborative business process communicate through messages for information exchange and synchronization.

- 2. (previously presented) The method of claim 1 wherein the collaborative business process includes a plurality of tasks, the method further comprising the steps of:
 - e) the first collaborative process manager receiving a current task;
- f) the first collaborative process manager determining if the current task is the responsibility of the first collaborative process manager;

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- g) when the current task is the responsibility of the first collaborative process manager, executing the current task; and
- h) when the current task is not the responsibility of the first collaborative process manager, not executing the current task.
- 3. (previously presented) The method of claim 2 wherein the step of when the current task is the responsibility of the first collaborative process manager, executing the current task further comprises the steps of:
 - g 1) scheduling the current task;
 - 2) dispatching the current task for execution:
 - 3) when the execution is complete, generating a task return message; and
- 4) sending the task return message to the second collaborative process manager.
- 4. (previously presented) The method of claim 2 wherein the step of when the current task is not the responsibility of the first collaborative process manager, not executing the current task further comprises the steps of:
 - h i) not executing the current task:
- h 2) waiting for a task return message from the second collaborative process manager: and
- h 3) receiving a task return message from the second collaborative process manager.
- 5. (previously presented) The method of claim 4 wherein the step of when the current task is not the responsibility of the first collaborative process manager, not executing the current task further comprises the steps of:
- h 4) evaluating the current task return message to determine whether an out-of order condition has occurred:
- in 5) when an out-of-order condition has occurred, queuing the task return message for later processing; and

- Response to @A of 03/27/2006 h_6) an out-of-order condition has not occurred, processing the next task by employing the task return message.
 - 6. (original) The method of claim 1 further comprising:

using a cooperation key to identify a logical instance of the collaborative business process and to correlate and synchronize multiple peer instances of the execution of a single collaborative business process.

- 7. (original) The method of claim 4 employing task return messages for synchronizing the peer process instances and for exchanging data between the process instances: wherein each task return message includes
 - a cooperation key for specifying a logical process instance:
 - a local handle of the process instance and task:
 - an activity execution status: and
 - a sub-packet of process data passed to a task.
- 8. (original) The method of claim 1 wherein the collaborative process has a list of process-roles for indicating logical participants of the collaborative process: wherein each work node has a task role that matches one of the process roles; and wherein a peer process having a process role that matches the task role of a work node is responsible for executing the work node.
- 9. (original) The method of claim 1 further comprising the step of:

providing a collaborative process definition language (CPDL) for use in defining collaborative business processes.

- (i). (canceled)
- 11. (currently amended) The method of claim 1 wherein the step of specifying the sharing scope of at least one tempiate includes:

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setting the sharing scope as public; wherein a the data object is public to all process-roles.

12. (currently amended) The method of claim 1 wherein specifying the sharing scope includes the step of

setting the sharing scope as process-role specific for a particular process role; wherein a-the data object is accessible only to the process-role specified.

13. (currently amended) The method of claim 1 wherein specifying the sharing scope includes the step of

setting the sharing scope as process-role specific for at least two different process roles; wherein a the data object is accessible only to the specified process roies.

14. (previously presented) A computer system for allowing a first player in a first enterprise to collaborate with a second player in a second enterprise comprising:

a coliaborative business process definition specified by a collaborative process definition language and based on an inter-enterprise business collaboration protocol, the collaborative business process definition having a plurality of work nodes, each work node having a task role;

a first collaborative process manager in the first enterprise for executing a first peer process instance of the collaborative business process definition, the first peer process instance having a role; wherein the first peer process instance is responsible only for the work nodes that have a role that matches the role of the first peer instance:

a second collaborative process manager in the second enterprise for executing a second peer process instance of the collaborative business process definition, the second peer process instance having a role; wherein the second peer process instance is responsible only for the work nodes that have a role that matches the role of the second peer instance:

an out-of-order handler mechanism for receiving messages from other collaborative process managers, determining whether messages are received out of order.

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when messages are received out of order, halting execution, and when messages are not received out of order, continuing with execution;

wherein the first peer process instance and the second peer process instance form a single logical execution instance; wherein the logical execution instance is identified by a cooperation key that is assigned to the first peer process instance and the second peer process instance; and

a peer to peer communication mechanism for enabling data exchange and synchronization between the first peer process instance and the second peer process instance.

15. (previously presented) The system of claim 1 further comprising:

a task return message generator for generating a task return message for each task executed by the collaborative process manager.

- 16. (canceled)
- 17. (previously presented) The system of claim 14 further comprising: an private sub-process manager for selectively making process data objects private to a particular collaborative process manager.
- 18. (previously presented) The system of claim 14 further comprising:

a task role determination module for receiving the current task, for determining PAGE 8/8 * RCVD AT 6/26/2006 11:10:26 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-2/8 * DNIS:2738300 * CSID:936 372 3075 * DURATION (mm-ss):03-12